**NEWTON’S LAWS OF MOTION**

**TouchCast Performance Task**



SOL PS.10

Objective: PS.10.2 Identify situations that illustrate each Newton’s laws of motion. **(SOL PS.10.b)**

Sir Isaac Newton lived during the 1600’s. Like all scientists, he made observations about the world around him. Some of his observations were about motion. His observations have been supported by more data over time; and we now call these Newton’s Laws of Motion. His laws of motion explain rest, constant motion, accelerated motion, and describe how balanced and unbalanced forces act to cause these states of motion.

In order to assess your understanding of Newton’s three laws of motion you are tasked with creating a TouchCast video presentation.

Required Criteria:

* Identify each of Newton’s 3 laws of motion
* Define and explain each of the three laws of motion
* Include several examples of each of the 3 laws of motion
* Demonstration one of the examples for each of the three laws of motion
* Include an explanation of how the demonstration demonstrates the law of motion.
* Video may be no longer than 5 minutes
* Make sure your TouchCast video is professional and creative.

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| Expert  4 points | Skilled  3 points | Novice  2 points | Beginner  1 points | Content and accuracy total |
| * Contains complete detailed explanation of each law * All information is accurate * Demonstration is accurate * No errors in demonstration or explanation * Information is complete * Creative and presented in an unique way * Engaging * Professional | * Contains explanation of each law * All information is accurate * Demonstration is accurate * No major errors in demonstration or explanation * Information is mostly compete * Engaging * Professional | * Contains explanation of at least 2 of the laws * All information is accurate * Demonstration is partly accurate * Noticeable errors in demonstration or explanations * Information is mostly complete * Professional, Not engaging | * Contains explanation of one of the laws * Information is inaccurate * Demonstration is inaccurate * Major errors in demonstration or explanation * Information is incomplete demonstration is incomplete * Unprofessional * Not engaging |  |